

BAAQMD Weather Factors, January 1999

Date Site	Min Temp (C)					Max Temp (C)					4-5am Ave Wind Speed (m/s)					4-5pm Ave Wind Speed (m/s)					Insolation (Ly/day)					Precip (mm)
	Ros	Kre	Ple	Car	Sma	Ros	Kre	Ple	Car	Sma	Ros	Kre	Ple	Car	Sma	Ros	Kre	Ple	Car	Sma	Ros	Bet	Liv	Alv	Sma	Ros
F 01	- .7	6.8	1.7	5.2	-.9	15.5	10.6	16.0	17.6	15.8	1.2	5.9	1.0	1.0	.9	1.7	7.2	3.6	1.8	3.3	250	254	257	248	0	0
S 02	-2.7	5.7	1.1	4.5	-1.2	15.1	14.1	18.2	19.9	15.8	1.0	6.7	1.0	1.3	1.3	1.7	8.0	5.0	1.9	3.2	232	213	242	246	0	0
S 03	-1.8	7.2	3.3	6.3	-.3	12.2	12.9	15.8	18.6	18.8	.8	10.6	2.6	1.3	1.7	1.9	6.5	2.0	2.1	3.1	242	59	237	247	0	0
M 04	-.9	7.9	1.8	5.8	.6	10.7	11.6	13.0	14.7	15.5	.2	7.8	1.7	1.4	.9	1.7	5.1	3.0	1.7	4.0	151	106	193	212	0	0
T 05	-2.3	8.4	-.7	4.6	.3	12.3	12.5	12.6	14.3	16.4	.5	7.5	1.5	.8	1.3	2.1	6.0	3.6	2.2	2.8	219	62	238	257	0	0
W 06	-.8	7.8	.9	5.6	.2	8.4	12.1	9.8	10.8	13.3	.8	2.1	2.0	2.1	.9	1.7	1.3	1.1	1.6	5.2	132	64	159	226	0	0
T 07	-1.7	2.9	1.7	5.7	-1.1	7.3	8.6	8.8	10.9	12.1	.9	5.5	1.5	1.1	1.0	2.3	3.8	3.0	1.8	3.5	100	46	119	173	.3	0
F 08	-1.0	3.6	0	2.8	.7	14.5	9.9	14.1	16.9	15.9	.9	9.0	.9	.8	3.6	3.4	8.0	3.5	1.5	3.3	245	257	265	246	0	0
S 09	-2.1	5.6	.1	4.3	-2.3	9.3	12.7	10.1	15.3	15.3	1.7	6.9	1.2	1.3	1.5	2.8	7.2	1.2	1.6	3.8	179	68	254	260	0	0
S 10	-1.6	7.3	-.7	3.3	-.9	9.3	15.3	8.9	12.9	17.3	2.5	8.6	1.3	.8	1.8	3.2	7.0	1.8	2.0	4.1	155	52	248	261	0	0
M 11	-1.0	6.7	-.9	3.7	1.1	12.0	13.5	14.2	12.8	14.9	1.2	1.6	1.9	1.4	2.5	2.5	7.0	4.6	2.6	1.7	55	157	220	236	0	0
T 12	-.8	5.0	6.3	5.6	2.4	13.6	13.1	14.9	15.3	14.9	1.2	3.6	.8	.9	1.1	3.7	2.8	5.2	4.1	3.6	211	220	211	208	0	0
W 13	5.2	4.9	5.2	8.8	3.8	11.1	12.6	13.3	13.7	13.8	1.1	3.0	1.3	1.6	.8	2.4	3.4	1.3	3.1	4.3	141	121	155	226	0	0
T 14	4.4	7.6	4.1	7.0	2.1	12.1	12.2	13.3	14.4	14.8	1.0	5.2	.8	1.1	3.0	.9	4.1	3.0	2.5	3.1	112	134	197	217	1.1	0
F 15	8.7	8.4	8.2	9.9	8.1	14.5	11.8	16.0	15.5	17.3	.8	2.8	.9	1.0	1.7	2.7	4.2	4.0	.9	2.8	103	115	152	191	9.2	0
S 16	8.6	8.1	10.8	12.1	10.6	14.5	11.0	14.2	16.6	15.3	2.3	4.2	1.6	1.1	1.0	2.5	4.8	3.6	3.6	3.8	220	151	156	166	.9	0
S 17	9.4	8.8	10.4	12.2	10.1	13.4	12.7	16.1	16.4	16.6	.5	4.2	.8	2.0	1.8	4.6	7.2	3.4	4.5	4.1	56	131	137	194	17.1	0
M 18	9.9	9.4	12.6	12.7	11.0	14.3	10.9	14.0	14.9	12.9	1.6	14.4	6.0	4.5	3.6	2.8	2.5	1.8	2.1	2.3	122	52	64	61	3.1	0
T 19	10.1	8.8	12.5	12.7	11.9	14.4	13.7	16.8	18.4	15.2	.8	11.1	2.0	2.6	1.9	2.9	6.1	7.3	5.1	2.7	49	128	140	76	34.4	0
W 20	9.4	7.0	11.7	12.6	7.7	13.4	11.0	14.3	15.1	13.6	1.0	14.4	7.7	7.6	3.0	2.5	16.8	7.2	2.8	1.6	52	79	42	38	8.3	0
T 21	6.1	5.6	8.9	10.4	6.3	13.4	9.4	12.8	15.2	13.2	1.9	5.7	2.4	1.7	1.0	1.9	4.8	2.7	3.1	3.7	200	196	188	212	.6	0
F 22	7.9	6.8	8.8	10.3	6.2	12.6	11.9	15.2	16.4	14.8	.9	2.1	.6	.8	.7	3.8	11.8	4.7	7.2	2.3	55	116	136	193	13.5	0
S 23	1.6	1.3	3.9	5.9	4.0	11.6	10.0	13.2	14.3	10.2	2.2	9.8	3.6	2.5	3.2	3.8	7.0	3.3	4.7	1.7	186	101	89	89	1.2	0
S 24	-1.4	.3	-.1	2.4	-.9	13.0	7.5	11.1	11.9	9.9	1.4	3.2	.8	1.3	1.6	5.2	5.9	3.3	3.9	4.6	271	307	320	312	0	0
M 25	3.5	3.7	5.6	7.4	4.3	14.1	8.5	11.5	13.6	9.8	2.1	6.8	2.8	1.2	.7	4.0	8.6	3.9	3.7	2.2	296	200	161	143	0	0
T 26	2.4	2.2	3.3	6.6	3.7	10.9	4.2	7.8	9.7	7.3	3.7	5.3	3.2	2.1	2.3	2.5	2.9	2.9	3.0	3.5	170	130	119	59	6.7	0
W 27	.3	3.7	1.2	4.2	-.3	15.4	10.1	14.2	15.7	12.8	1.9	8.5	.9	.6	1.3	2.2	3.8	2.7	3.5	4.3	307	313	316	303	0	0
T 28	-.3	5.2	.9	3.9	-1.5	13.8	12.4	13.7	14.7	15.0	1.0	3.0	.7	1.2	1.3	3.1	3.9	4.4	5.5	3.8	291	256	313	336	0	0
F 29	-1.2	3.9	-.1	3.7	-.9	13.2	10.9	13.3	14.0	16.9	.8	3.6	.8	1.1	.7	3.7	4.7	3.1	1.7	2.0	234	191	316	305	0	0
S 30	-.7	7.4	1.5	5.4	.8	12.6	10.3	13.0	16.3	14.3	.7	2.1	1.2	.7	1.0	4.2	3.0	3.4	6.0	1.6	178	50	173	187	14.9	0
S 31	2.7	3.3	5.3	7.7	6.2	12.2	6.8	11.1	12.5	11.1	1.6	4.6	3.4	2.4	4.1	4.8	7.8	5.6	7.9	3.5	224	136	170	173	15.0	0
Ave.	2.2	5.8	4.2	6.9	3.0	12.6	11.1	13.3	14.8	14.2	1.3	6.1	1.9	1.7	1.7	2.9	5.9	3.5	3.2	3.2	175	144	193	203	126.3	0
Normal	3.7	5.2	5.3	7.4	3.6	13.6	10.5	13.3	14.9	14.7	1.8	6.3	2.0	2.0	1.8	2.8	6.0	3.1	2.9	3.0	169	151	---	178	198	---

--- = insufficient data

Site	Name	Elevation (m)	Temperature Normals are for the period:	Wind Speed Normals are for the period:	Insolation Normals are for the period:	Precipitation Normals are for the period:
Ros	= Santa Rosa	29.3	1988-present	1988-present	1990-present	1990-present
Bet	= Bethel Island	-1.5				
Kre	= Kregor Peak	577.4	1990-present	1990-present	1990-present	1990-present
Ple	= Pleasanton	99.1	1992-present	1992-present	1992-present	
Liv	= Livermore	150.0				
Car	= San Carlos	1.0	1992-present	1992-present	1992-present	
Alv	= Alviso	1.0			1993-present	
Sma	= San Martin	29.0	1988-present	1988-present	1990-present	

BAAQMD High-Hour Ozone Concentrations (pphm),

January 1999

Date	BI	CC	FF	FR	GI	HA	LI	LG	MV	NP	OA	PT	RC	SF	SJ	SP	SL	SM	PA	SR	ST	VA	Dist
F 01	3.1	3.1		3.5			3.5			1.3	3.2	2.8	1.7	2.7				3.0	2.0	2.7	2.7	3.5	
S 02	2.5	3.3		3.5			3.1			2.6	3.4	2.7	1.5	1.6				3.3	1.2	1.7	2.5	3.5	
S 03	1.3	4.1		3.8			2.8			1.8	3.2	1.8	2.7	2.9	1.8			3.3	2.1	1.3	1.5	4.1	
M 04	1.2	.9		2.6			3.4			.8	.4	1.2	.6	.8	.8			2.8	.3	.5	1.2	3.4	
T 05	1.0	.4		.3			2.6			.9	.4	.8	.3	.6	.5			1.4	.3	.5	.9	2.6	
W 06	.4	.6		.3			.5			.5	1.0	.3	.6					.8	.3	.2	.7	1.0	
T 07	.6	.1		1.7			.5			.9	.4	.5	1.0	.5				1.3	.4	.3	.4	1.7	
F 08	1.4	2.1		2.8			2.3			1.2	1.2	2.0	1.9	1.0	1.7			2.2	1.5	.8	1.4	2.8	
S 09	.8	1.1		2.9			2.8			1.2	3.6	1.2	1.1	1.1				2.0	.7	.7	1.1	3.6	
S 10	.6	1.3		1.5			1.0			1.3	.9	1.0	1.1	1.0	1.2			2.2	.7	.7	1.1	2.2	
M 11	1.0	1.1		.6			1.7			1.1	.5	1.2	.4	2.0	.5			1.6	1.8	1.3	1.2	2.0	
T 12	2.8	1.9		2.2			3.5			1.2	1.0	3.3	.9	2.9	.8			2.4	1.1	1.8	1.0	3.5	
W 13	1.6	1.6		2.4			3.2			.9	1.8	1.2	1.1	2.6	1.1			2.3	1.3	.7	1.0	3.2	
T 14		2.6		2.5			1.6			.5	.6	1.5	.4	1.0	.6			2.4	1.5	.4	1.6	2.6	
F 15	.9	1.3		.8			.8			.6	.5	1.3	1.2	1.4	.4			1.7	.8	.6	1.0	1.7	
S 16	2.6	2.4		2.1			2.4			2.9	1.4	2.5	2.6	2.8	1.4			3.3	2.2	2.8	2.9	3.3	
S 17	2.6	2.6		2.5			2.8			1.5	2.0	2.1	2.4	2.1	2.1			2.3	2.1	2.0	2.2	2.8	
M 18	2.4	2.2		2.3			2.6			2.1	2.0	2.1	2.4	2.2	1.6			2.1	2.2	3.4	2.2	3.4	
T 19	2.2	2.7		2.0			2.9			1.8	1.4	2.2	2.7	2.6	1.8			2.9	2.5	2.7	2.5	2.9	
W 20	3.1	3.4		2.8			3.3			3.0	2.4	3.1	3.6	3.7	2.8			3.9	3.2	3.0	3.7	3.9	
T 21	3.8	3.7		3.6			3.9			3.4	1.7	3.4	3.7	3.7	3.2			4.0	3.3	2.9	3.4	4.0	
F 22	2.8	2.7		2.5			3.1			2.4	1.7	2.8	3.1	2.8	2.3			2.8	2.4	2.3	2.3	3.1	
S 23	3.5	3.8		3.6			3.2			3.3	3.2	3.1	3.0	3.5	3.1			3.8	3.1	3.2	3.6	3.8	
S 24	3.6	3.5		3.7			3.8			3.7	2.7	3.4	2.9	3.0	3.5			3.5	2.5	3.7	3.0	3.8	
M 25	3.2	3.5		2.7			3.3			3.7	2.1	3.3	3.4	3.1	2.0			3.7	2.4	3.7	3.6	3.7	
T 26	3.5	3.9		3.3			3.7			3.1	3.1	3.1	3.1	3.6	2.8			3.8	2.8	2.6	3.7	3.9	
W 27	3.8	3.8		2.5			3.7			3.4	2.2	3.9	2.2	2.6	2.0			3.7	2.3	2.8	3.6	3.9	
T 28	2.6	3.4		2.6			2.1			2.7	1.4	3.1	2.1	2.7	1.9			2.9	2.1	3.4	2.9	3.4	
F 29	1.7	1.1		1.9			1.4			2.9	1.0	2.0	2.1	1.1	2.0			2.1	1.9	1.9	3.0	3.0	
S 30	.8	.9		3.8			3.0			1.2	3.0	.8	4.0	3.9	3.8			3.4	3.0	3.5	1.1	4.0	
S 31	3.5	3.8		4.1			3.8			3.4	3.1	3.2	3.5	3.6	3.5			4.0	3.1	3.6	3.5	4.1	
Max	3.8	4.1		4.1			3.9			3.7	3.6	3.9	4.0	3.9	3.8			4.0	3.3	3.7	3.7	4.1	
D>12.4	0	0		0			0			0	0	0	0	0	0			0	0	0	0	0	
Mean	2.2						2.7			1.7		2.1		1.9			2.7		2.0				
	2.4						2.5			2.0		2.2		2.2				1.8		2.1			

BAAQMD Highest Eight-Hour Average Ozone Concentrations (pphm), January

1999

Date	BI	CC	FF	FR	GI	HA	LI	LG	MV	NP	OA	PT	RC	SF	SJ	SP	SL	SM	PA	SR	ST	VA	Dist
F 01	2.6	2.5		2.1			3.1			.9	2.7	1.7	1.0	1.5					2.0	1.1	1.7	1.8	3.1
S 02	1.5	1.7		3.0			2.7			1.6	2.4	1.4	1.1	.9					3.0	.8	1.0	1.9	3.0
S 03	1.2	1.8		3.4			1.8			1.2	2.8	1.3	2.0	1.9	1.1				2.9	.9	.8	1.3	3.4
M 04	.8	.5		1.3			1.5			.6	.2	.8	.2	.5	.4				2.0	.1	.2	.9	2.0
T 05	.8	.2		.2			1.4			.6	.3	.5	.2	.4	.3				.9	.1	.2	.5	1.4
W 06	.3	.3		.1			.2			.2	.6	.2	.4					.6	.1	.1	.4	.6	
T 07	.3	.1		.4			.4			.5	.2	.4	.3	.3				.4	0	.1	.2	.5	
F 08	1.1	1.5		2.5			1.7			.8	.7	1.6	1.0	.5	.9			1.2	.7	.4	1.1	2.5	
S 09	.6	.6		2.1			1.3			.8	1.2	.9	.6	.8				1.5	.4	.4	.8	2.1	
S 10	.4	.9		1.3			.7			.8	.6	.7	.7	.8	.6			1.4	.5	.4	.9	1.4	
M 11	.7	.5		.2			.9			.7	.3	.9	.3	1.9	.3			.9	.9	.5	.5	1.9	
T 12	1.5	.9		1.9			2.3			.6	1.4	1.9	.6	2.3	.5			1.9	.6	1.2	.6	2.3	
W 13	.8	.7		1.4			1.9			.6	1.4	.6	.7	1.7	.5			1.3	.7	.3	.4	1.9	
T 14		1.0		1.0			1.0			.2	.4	.9	.2	.7	.3			1.7	.8	.1	.9	1.7	
F 15	.5	1.3		.5			1.2			1.0	.5	1.5	1.1	1.7	.2			1.3	.6	.9	1.0	1.7	
S 16	2.1	2.0		1.7			1.9			2.4	1.0	2.1	1.4	2.0	1.0			2.6	1.4	2.5	2.1	2.6	
S 17	2.3	2.3		2.0			2.4			1.6	1.6	2.0	2.2	2.1	1.7			1.9	2.0	2.1	2.0	2.4	
M 18	2.2	1.5		1.7			2.3			1.5	1.0	1.7	1.6	1.8	1.2			1.8	1.4	2.3	1.7	2.3	
T 19	2.1	2.8		1.9			3.0			2.4	1.6	2.2	2.8	2.8	1.8			2.6	1.9	2.6	2.6	3.0	
W 20	3.0	3.1		2.0			3.2			2.8	1.5	2.6	3.3	3.4	1.6			3.5	2.9	2.4	3.0	3.5	
T 21	3.4	3.2		2.9			2.8			2.5	1.1	3.0	2.6	2.5	2.5			3.0	2.0	2.0	2.5	3.4	
F 22	2.8	3.1		2.8			2.9			2.6	2.1	2.7	2.6	2.9	2.5			3.0	2.6	2.2	3.0	3.1	
S 23	3.2	3.1		2.9			2.9			2.8	2.1	2.9	2.4	2.9	2.7			3.3	2.2	2.8	3.3	3.3	
S 24	3.1	3.0		2.9			3.3			3.5	2.1	3.0	2.2	2.5	2.6			2.9	2.1	3.6	2.5	3.6	
M 25	3.0	3.3		2.6			3.1			2.7	1.7	2.6	2.9	3.3	1.8			3.2	2.0	2.0	3.3	3.3	
T 26	2.8	3.0		2.7			2.7			2.5	2.1	2.3	2.2	2.8	1.8			2.6	2.1	2.1	2.0	3.0	
W 27	3.3	2.8		1.6			2.8			3.0	1.5	3.1	1.5	2.0	1.5			2.8	1.6	1.9	2.9	3.3	
T 28	1.9	2.2		1.8			1.1			2.0	.8	1.8	1.2	1.7	1.4			2.3	1.5	2.3	2.4	2.4	
F 29	1.1	.7		1.1			.9			2.1	.6	.9	1.2	.8	1.0			1.5	1.3	1.1	2.0	2.1	
S 30	.5	.5		2.9			2.0			.9	2.4	.4	3.3	3.2	2.4			1.8	2.0	2.4	.7	3.3	
S 31	3.2	3.6		3.7			3.3			3.0	2.9	2.9	3.4	3.4	3.3			3.9	2.9	3.3	3.4	3.9	
Max	3.4	3.6		3.7			3.3			3.5	2.9	3.1	3.4	3.4	3.3			3.9	2.9	3.6	3.4	3.9	
D>8.4	0	0		0			0			0	0	0	0	0	0			0	0	0	0	0	
Mean	1.8				2.0					1.3		1.5		1.4			2.1		1.5				
	1.8			1.9						1.7		1.7		1.8			1.3		1.5				

BAAQMD Highest Eight-Hour Average Carbon Monoxide Concentrations (ppm), January 1999

Date	BI	CC	FR	LI	NP	OA	PT	RC	SF	SJ	PA	SR	ST	VA	Dist
F 01	.8	2.6	1.6	1.2	2.8	2.4	2.0	1.7	1.3	3.9	1.2	1.9	1.3	2.8	3.9
S 02	.7	2.4	.8	1.0	4.2	2.2	1.2	1.5	2.5	5.9	1.7	2.3	3.3	1.6	5.9
S 03	.5	1.1	.6	2.1	1.7	1.4	.7	2.2	1.5	4.0	1.2	1.6	2.6	.7	4.0
M 04	.6	2.3	2.1	1.6	2.7	2.8	.9	3.2	2.4	5.7	1.2	1.8	2.2	1.0	5.7
T 05	.6	1.5	2.6	2.9	2.7	2.5	.7	3.5	1.7	5.8	2.1	1.8	3.5	.9	5.8
W 06	.9	2.0	3.0	2.0	2.5	3.0	.9	2.5	1.6	4.9	2.2	2.0	2.4	1.3	4.9
T 07	.8	1.5	2.7	1.5	1.4	2.3	.9	2.2	1.7	3.8	1.7	1.6	1.8	1.0	3.8
F 08	.7	1.9	1.3	1.1	2.1	2.3	1.6	2.5	1.5	3.7	2.4	1.8	1.7	.8	3.7
S 09	.6	1.2	.8	1.5	1.9	1.5	.9	2.8	1.1		1.0	1.3	1.7	.6	2.8
S 10	.7	1.2	1.0	1.2	1.5	1.7	.9	2.7	1.2	4.1	1.1	1.0	1.6	.5	4.1
M 11	.9	2.6	1.8	2.0	2.3	2.1	1.3	2.9	1.4	4.0	1.6	1.4	1.6	1.9	4.0
T 12	1.1	1.7	1.4	1.0	2.1	1.7	1.1	3.0	1.2	2.8	1.4	1.7	2.3	1.1	3.0
W 13	1.1	2.1	1.7	1.5	2.2	1.9	1.3	2.0	1.4	2.6	2.3	2.0	1.4	2.8	2.8
T 14		1.8	2.2	1.8	2.2	1.7	1.4	2.4	1.3	2.7	1.4	1.6	1.8	1.8	2.7
F 15	.8	1.6	2.3	1.7	1.6	2.1	1.2	2.4	1.4	2.8	1.9	1.6	1.6	1.4	2.8
S 16	.7	1.2	1.0	1.0	1.2	1.6	1.0	1.2	.9	1.1	1.1	1.1	.6	1.4	1.6
S 17	.5	1.0	.8	.8	.8	1.3	.7	1.1	.8	.8	.9	.8	.5	.9	1.3
M 18	.6	1.1	.6	.7	1.0	1.2	.8	1.1	.8	1.0	.8	.9	.9	1.0	1.2
T 19	.6	.7	.8	.7	.9	1.2	.9	1.1	.8	.9	.8	.8	.8	.9	1.2
W 20	.5	.5	.9	.5	.7	1.1	.5	.6	.6	1.5	.6	1.4	1.0	.4	1.5
T 21	.6	.8	1.6	1.0	1.7	1.6	.7	1.4	1.0	2.2	1.1	1.5	1.2	1.1	2.2
F 22	.6	1.0	1.5	1.1	1.5	1.4	1.2	1.5	1.2	.7	1.2	.9		1.3	1.5
S 23	.4	.6	1.4	.9	1.0	1.2	.6	1.2	.7	1.6	1.1	1.0		1.3	1.6
S 24	.4	.8	.9	.9	.8	1.3	.8	1.0	.8	1.6	1.1	1.2		1.6	1.6
M 25	.3	.6	1.1	.9	.8	1.3	1.0	1.8	1.1	1.2	1.1	1.3		1.4	1.8
T 26	.4	1.3	1.2	1.4	1.6	1.5	.7	2.0	1.6	2.6	1.2	1.2	1.1	3.1	3.1
W 27	.5	1.5	2.1	2.1	1.7	3.1	1.6	2.7	2.7	4.9	1.2	1.9	1.2	3.0	4.9
T 28	.9	2.0	2.7	2.5	2.0	2.4	1.4	2.7	2.4	2.7	1.8	2.8	1.8	3.0	3.0
F 29	1.1	1.8	1.6	2.0	1.6	2.4	2.1	2.8	2.5	3.8	1.1	1.9	2.2	1.5	3.8
S 30	1.0	1.3	1.4	1.7	1.4	2.4	1.4	2.3	1.7	2.8	1.1	1.6	1.2	.8	2.8
S 31	.7	.9	.9	.7	1.0	1.2	.6	1.1	.7	1.8	1.0	1.0	.9	2.4	2.4
Max	1.1	2.6	3.0	2.9	4.2	3.1	2.1	3.5	2.7	5.9	2.4	2.8	3.5	3.1	5.9
D> 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	.7		1.5		1.7		1.1		1.4		1.3		1.6		
	1.4		1.4		1.9		2.0		2.9		1.5		1.5		

BAAQMD High-Hour Nitrogen Dioxide Concentrations (pphm), January 1999

Date	BI	CC	FR	LI	NP	PT	RC	SF	SJ	PA	SR	ST	VA	Dist
F 01	3	5	4	4	4	4	4	4	5	3	4	4	4	5
S 02	2	4	4	4	4	3	4	5	6	4	4	4	4	6
S 03	1	4	3	4	3	2	4	4	6	3	4	3	3	6
M 04	2	4	5	5	3	2	5	5	8	4	4	3	3	8
T 05	2	3	6	5	3	2	5	4	10	4	3	5	3	10
W 06	3	4	5	4	3	3	4	4	7	3	3	4	3	7
T 07	3	4	5	4	3	3	4	4	6	3	4	3	3	6
F 08	3	4	4	4	3	3	4	4	5	4	4	3	3	5
S 09	2	3	4	4	3	2	4	4	3	3	3	3	3	4
S 10	2	3	3	3	3	2	3	4	5	3	3	3	2	5
M 11	3	5	6	6	4	3	4	4	6	5	5	4	4	6
T 12	3	5	4	5	4	4	4	4	5	4	4	3	4	5
W 13	3	5	4	6	3	4	4	4	4	4	3	3	4	6
T 14		5	5	6	4	5	5	6	6	4	4	4	4	6
F 15	3	4	7	4	3	3	5	5	6	5	4	3	4	7
S 16	2	4	3	3	4	3	3	4	4	4	4	3	3	4
S 17	2	3	3	3	2	3	2	3	4	3	3	2	3	4
M 18	2	4	3	3	3	3	3	4	3	3	4	4	4	4
T 19	2	2	3	3	3	3	3	4	3	4	3	3	3	4
W 20	1	2	4	2	2	2	2	3	4	3	4	3	2	4
T 21	3	4	4	4	4	3	4	5	5	4	4	3	4	5
F 22	2	3	3	3	3	3	3	3	3	4	4	3	3	4
S 23	1	3	4	3	3	2	3	3	4	3	4	3	1	4
S 24	1	3	3	4	2	3	3	4	4	3	3	3	3	4
M 25	1	3	3	4	3	3	3	4	4	3	4	3	4	4
T 26	2	3	3	4	3	3	3	4	4	3	3	3	3	4
W 27	3	5	4	4	3	4	4	4	6	3	4	3	3	6
T 28	3	4	5	5	3	4	4	4	5	4	5	4	4	5
F 29	3	4	5	4	4	4	5	5	6	3	4	4	4	6
S 30	2	3	4	4	3	3	5	4	5	4	3	3	3	5
S 31	2	3	4	3	2	2	2	4	4	3	2	4	3	4
Max	3	5	7	6	4	5	5	6	10	5	5	5	4	10
D> 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	2.3		4.1		3.0		3.7		5.0		3.6		3.2	
		3.6		4.0		3.0		4.1		3.5		3.3		

BAAQMD 24-Hour 10-micron Suspended Particulate Concentrations (ug/m³), January 1999
Sampling is done on a US EPA mandated once every 6 days schedule

Date BI CC FR LI NP RC SF SJ TR SR ST VA Dist

F 01
S 02

S 03

M 04

T 05

W 06

T 07

F 08

S 09

29	22	27	25	55	24	55
						29
	47					47

S 10

M 11

T 12

W 13

T 14

F 15

S 16

				47	46	47
				68	60	68

S 17

M 18

T 19

W 20

T 21

F 22

S 23

13	9	7	7	9	9	7	5	10	15	10	15
				10							10
7	12	15	14	17	15	20	19	20	12	18	20
				15							15

S 24

M 25

T 26

W 27

T 28

F 29

S 30

40	64	32	45	33	45	36	27	31	38	53	64

S 31

Max	40	64	32	45	39	68	47	55	60	46	38	53	68
D> 50	0	1	0	0	0	1	0	1	1	0	0	1	3

Mean	23	34	21	24	22	33	28	32	32	26	23	26
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BAAQMD 24-Hour Average Sulfur Dioxide Concentrations (ppb), January 1999

Date	BI	CC	CR	MA	PT	SF	PA	VA	Dist
F 01	1	2	3	2	2	4	4	4	4
S 02	1	5	5	4	1	4	5	2	5
S 03	1	12	2	2	1	4	5	1	12
M 04	1	5	2	2	1	4	8	1	8
T 05	1	11	2	2	1	5	6	3	11
W 06	1	4	2	2	1	5	8	2	8
T 07	1	3	3	2	1	4	6	7	7
F 08	1	2	4	4	1	7	5	4	7
S 09	1	2	2	1	1	4	5	1	5
S 10	1	2	1	1	0	4	6	1	6
M 11	1	10	3	4	3	5	5	3	10
T 12	1	5	5	3	2	3	4	6	6
W 13	2	5	3	2	2	3	4	2	5
T 14		3	3	2	2	6	5	2	6
F 15	1	4	4	3	3	4	4	3	4
S 16	1	2	2	1	1	1	2	2	2
S 17	1	1	2	1	1	1	2	2	2
M 18	1	1	2	1	1	1	2	1	2
T 19	1	1	1	1	1	2	3	2	3
W 20	1	1	4	1	0	1	5	1	5
T 21	1	1	3	1	2	1	2	1	3
F 22	1	1	3	1	0	1	3	2	3
S 23	1	1	3	1	1	1	2	1	3
S 24	1	2	2	1	1	1	2	2	2
M 25	1	1	3	1	1	1	2	2	3
T 26	1		0	1	1	1	2	1	2
W 27	1	2	2	2	2	2	2	3	3
T 28	1	2	0	2	2	2	2	2	2
F 29	2	2	0	2	2	3	5	2	5
S 30	1	3	1	2	1	3	3	2	3
S 31	2	2	0	1	3	1	2	1	3
Max	2	12	5	4	3	7	8	7	12
D> 50	0	0	0	0	0	0	0	0	0
Mean	1.1	3.3	2.3	1.8	1.4	2.9	3.9	2.2	

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Number of days when standards were exceeded by Station, January 1999

Station	abbr	California Stds.				National Stds.			PM10 Ann. Average	PM10 Ann. Geo. Mean
		O3-1hr	NO2	SO2	PM10*	O3-1hr	O3-8hr	CO		
Bethel Island	BI	0	0	0	0	0	0	0	20.9	18.0
Concord	CC	0	0	0	1	0	0	0	19.3	17.1
Crockett	CR				0					
Fairfield	FF									
Fremont	FR	0	0		0	0	0	0	22.3	20.4
Gilroy	GI									
Hayward	HA									
Livermore	LI	0	0		0	0	0	0	21.9	19.7
Los Gatos	LG									
Martinez	MA				0					
Mountain View	MV									
Napa	NP	0	0		0	0	0	0	17.4	15.8
Oakland	OA	0				0	0	0		
Pittsburg	PT	0	0	0		0	0	0		
Redwood City	RC	0	0		1	0	0	0	23.4	21.1
San Francisco	SF	0	0	0	0	0	0	0	22.3	20.1
San Jose	SJ	0	0		1	0	0	0	26.0	22.9
SJ Piedmont	SP									
SJ Tully Road	TR				1			0	22.8	20.1
San Leandro	SL									
San Martin	SM									
San Pablo	PA	0	0	0		0	0	0		
San Rafael	SR	0	0		0	0	0	0	20.5	19.0
Santa Rosa	ST	0	0		0	0	0	0	18.6	17.0
Vallejo	VA	0	0	0	1	0	0	0	17.3	14.9
District	Dist	0	0	0	3	0	0	0		

*PM10 is sampled once every 6 days

AMBIENT AIR QUALITY STANDARDS

Pollutant	Time	California Standards	National Standards	Method
Ozone	1 Hour	9 pphm	12 pphm	Ethylene
	8 Hour	-	8 pphm	Chemiluminescence
Carbon Monoxide	8 Hour	9.0 ppm	9 ppm	Non-dispersive Infrared
	1 Hour	20 ppm	35 ppm	Spectroscopy (NDIR)
Nitrogen Dioxide	Annual Average	-	5.3 pphm	Gas Phase
	1 Hour	25 pphm	-	Chemiluminescence
Sulfur Dioxide	Annual Average	-	30 ppb	Pararosoaniline
	24 Hour	50 ppb	140 ppb	
Suspended Part. Matter (PM10)	Annual Average	-	50 ug/m ³	Size Selective Inlet
	Ann. Geo. Mean	30 ug/m ³	-	High Volume Sampler
	24 Hour Average	50 ug/m ³	150 ug/m ³	